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NEW MAPS

NORTH AMERICA

UNITED STATES GEOLOGICAL SURVEY MAPS

TOPOGRAPHIC SURVEY SHEETS:

Georgia-North Carolina-Tennessee: Ellijay Quadrangle, 1:125,000 (1.97 miles to an inch). Contour interval, 100 ft. (35° - 34° 30' N.; 84° 30'- 84° W.).

Minnesota: Barrett Quad., 1:62,500 (0.99 mile to an inch). Interval, 10 ft. (46° - 45° 45' N.; 96° - 95° 45' W.); Herman Quad., 1:62,500. Interval, 10 ft. (46° - 45° 45' N.; 96° 15'- 96° W.).

New York: Neversink Quad., 1:62,500. Interval, 20 ft. (42° - 41° 45' N.; 74° 45'- 74° 30' W.).

Ohio: New Lexington Quad. 1:62,500. Interval, 20 ft. (39° 45'- 39° 30' N.; 82° 15'- 82° W.).

Pennsylvania: Butler Quad., 1:62,500. Interval, 20 ft. (41° - 40° 45' N.; 80° - 79° 45' W.).

Texas: San Marcos Quad., 1:125,000. Interval, 20 ft. (30° - 29° 30' N.; 98° - 97° 30' W.).

Utah: Frisco Special Map. 1:62,500. Interval, 50 ft. (38° 32'- 38° 23' [21°] N.; 113° 21'- 113° 3' W.).

Wisconsin: Winnebago Special Map. 1:62,500. Interval, 10 ft. (44° 15'- 43° 45' N.; 88° 34'- 88° 15' W.).

ALASKA. Index Map of Alaska Showing Areas Covered by Topographic Maps. 1:5,000,000 (78.91 miles to an inch). March, 1911. [Distinguishes between areas covered by exploratory maps (1:625,000), reconnaissance (1:250,000), and detailed (1:62,500) surveys. Contains a list of maps of Alaska published by the U. S. G. S. and, on the reverse, a list of Recent Survey Publications on Alaska.]

MAINE. Map Showing the Distribution of Granite and Related Rocks in Maine and locations of quarries in pegmatite deposits. 1:1,000,000 = 15.78 miles to an inch. 4 colors. Illustrates *Bull.* 445 "Geology of the Pegmatites and Associated rocks of Maine," by Edson S. Bastin. Washington, 1911.

PENNSYLVANIA. Economic and Structural Map of the Johnstown Quadrangle, Pennsylvania. 1:62,500 (0.99 mile to an inch) (40° 30'- 40° 15' N.; 79° - 78° 45' W.). Contour interval, 20 ft. Plate 1 of "Mineral Resources of Johnstown, Pa., and Vicinity," by W. C. Phalen and L. Martin (*Bull.* 447). [Shows coal and clay out crops and structural contours, detailed section through the Carboniferous of Pennsylvania and a list of mines with numbers referring to location on the map.]

U. S. HYDROGRAPHIC OFFICE CHARTS

Pilot Chart of the North Atlantic Ocean, April, 1911.

Pilot Chart of the North Pacific Ocean. June, 1911.

U. S. WEATHER BUREAU CHARTS

Meteorological Chart of the North Atlantic Ocean, June 1911.

Meteorological Chart of the South Atlantic Ocean, June, July, August, 1911.

Meteorological Chart of the North Pacific Ocean, June, 1911.

Meteorological Chart of the South Pacific Ocean, June, July, August, 1911.

Meteorological Chart of the Great Lakes, June, 1911.

Meteorological Chart of the Indian Ocean, June, 1911.

U. S. DEPARTMENT OF AGRICULTURE MAPS

New York: Soil Survey of Washington Co., N. Y. 2 sheets. 1:62,500.

Pennsylvania: Soil Map of S. W. Pennsylvania. Scale 1 inch = 4 miles (1:253,440). [Embraces Beaver, Butler, Clarion, Jefferson, Washington, Allegheny, Armstrong, Indiana, West Moreland, Greene and Fayette Counties. Accompanies "A Reconnaissance Soil Survey of S. W. Pennsylvania," by H. J. Wilder and C. F. Shaw, Bureau of Soils, Dept. of Agriculture, Washington,

1911. Distinguishes in 10 tints between residual (4), glacial (1), colluvial (1) and terrace and bottom land (4) soils. Relief suggested by symbols for "steep broken" and "rough mountainous" topography.]

Washington: Soil Survey Maps of the Eastern part of the Puget Sound Basin. 4 sheets. 1:125,000.

ALASKA. Sketch Map of Alaska showing Distribution of Forest, Glaciers and Snowfields. 1 inch = 150 miles. 4 colors. Illustrates "The Forests of Alaska," by R. S. Kellogg, in *Bull.* 81, Forest Service, U. S. Dept. of Agric., Washington, 1910. [Colors show distribution of timbered and sparsely timbered areas, regions above timber, glaciers, snowfields and tundra.]

CALIFORNIA. Geological Map of the Sargent Oil Field, Cal. 1 inch = 1,400 feet. 14 colored symbols show geological formations; distribution of oil wells indicated. Illustrates Univ. of Cal. Publ. *Bull.* of the Dept. of Geol., Vol. 6, No. 3, Berkeley, 1911.

NEW YORK. (a). The Catskill and Croton Water Supply Systems of New York. [Sketch map showing supply systems and the aqueducts connecting them with the city]; (b) Revised areal geology of Southern Manhattan Island and the adjacent margin of Long Island. 4 colors. [Based upon exploratory borings to June 25, 1910. A blue line marks the course of the tunnel intended to carry the Catskill water to Brooklyn]; (c) Map showing geologic formations along the proposed lines for distribution conduits. 6 colors. Illustrates "Geology of the New York City (Catskill) Aqueduct," by Charles P. Berkey. N. Y. State Mus. *Bull.* 146, Albany, 1911.

CANADA. Standard Topographical Map. 1:250,000 (3.95 miles to an inch). Dept. of the Interior. Sheet 3, N.W. (Ontario: Kingston Sheet. 45°-43° 15' N.; 77°-75° W.).

CANADA. Map of Canada. Minerals. 100 miles to one inch. (1:6,336,000.) Geological Survey of Canada, Map No. 1042. To accompany Reports Nos. 1085 and 1086. 1909. [Shows, by colors, on the base map compiled in the Chief Geographer's Office, Dept. of the Interior, the distribution, areal and topical, of 32 minerals.]

CANADA. Map of Canada. Geology 1:6,336,000 (100 miles to an inch). Geological Survey of Canada, Map No. 1084. To accompany Geological Publications, Nos. 1085 and 1086. 1909. [A valuable general geological map of Canada, superseding the larger two-sheet map of older date.]

CANADA. Index Map to Townships in Manitoba, Saskatchewan, Alberta and British Columbia. Scale, 35 miles to an inch. (1:2,217,600.) Accompanies the Annual Report of the Topographical Surveys Branch, 1909-10, Dept. of the Interior, Ottawa, 1911. [Latest edition, brought down to April 1, 1910, of the map showing the subdivisions of the public land of Western Canada into townships. It is indispensable for locating townships, of which township and range numbers are given, but would prove more serviceable if the geographic coordinates were shown. This would require no additional work as they necessarily have been constructed as the basis for plotting the map.]

CANADA. Sketch Maps (Scale 6 miles to an inch [1:380,160]). Showing Topography of:

1. the 18th Base Line, from Range 9 to Range 14, W. of 6th Meridian, Alberta (about 55° N. near 120° W.).
2. the 17th Base Line, from Rge. 27 W. of 5th Mer. to Rge. 9, W. of 6th Mer., Alberta (about 54½° N., west of 118° W. for 48 miles).
3. the 16th Base Line across Rges. 1, 2, 3 and 4, W. of the 6th Mer., Alberta (about 54° N., west of 118° W. for 24 miles).
4. the 3rd Meridian from Township 52 to Township 60 and of the 16th Base Line between the 3rd and the 4th Meridians, Saskatchewan. (106° W. from 53½° to 54° N., and 54° N. from 106° to 110° W.).
5. Part of the 4th Mer., Tp. 63 to Tp. 80 (110° W. between 54½° and 56° N.).
6. the 15th Base Line between the 3rd and the 4th Mer. Saskatchewan (about 53¾° N., between 106° and 110° W.).

7. the 15th Base Line across Rges. 25, 26 and 27, W. of 5th Mer. and Rges. 1 to 8, W. of 6th Mer., Alberta (about $53\frac{3}{4}^{\circ}$ N. for 18 miles E. and 48 miles W. of 118° W.).

8. the 10th Base Line across Rges. 8, 9, 10 and 11, W. of 5th Mer., Alberta (about 52° N. near 115° W.).

9. the 9th Base Line across Rges. 8, 9 and 10, W. of 5th Mer., Alberta (about $51\frac{1}{2}^{\circ}$ N. near 115° W.).

[These nine maps accompnny the Annual *Report* of the Topographic Surveys Branch, 1909-10, Dept. of the Interior, Ottawa, 1911, and illustrate the separate reports of the Dominion Land Surveyors. Drainage in blue, relief in brown shading, in contour manner.]

SOUTH AMERICA

BOLIVIA. The River Heath and Adjacent Territory. 1:500,000 = 7.89 miles to an inch. By Major P. H. Fawcett, R. A. 4 colors. With section of the Inca Mining and Rubber Co's. Road. 1 inch = 32 miles with vertical scale exaggerated ten times. Illustrates paper "Further Explorations in Bolivia: The River Heath," same author. *Geogr. Journ.*, April, 1911.

CHILE. Mapa de Chile. 1:500,000 (7.89 miles to an inch). Oficina de Mensura de Tierras. Edicion Centenaria. Santiago, 1910. Sheets [no individual title] (a) 17° - 19° S., 70° 50'- 68° W.; (b) 41° - 43° S., 75° - 71° W.; (c) 43° - 45° S., 76° - 71° W.; (d) 45° - 47° S., 76° - 71° W. [Relief in brown shading, drainage in blue, culture in black and red, the latter for boundaries.]

AFRICA

EGYPT. Topographic Map of Egypt. 1:50,000 (0.79 miles to an inch). Survey Dept. of Egypt. Sheets XXXVII—V. S. E. (El Derr: 22° 48'- 22° 36' N.; 32° - 32° 15' E.), XXXVII—VI S. E. (Korosko: 22° 48'- 22° 36' N.; 32° 15'- 32° 30' E.), XXXVIII—IV S. E. (Toshka: 22° 36'- 22° 24' N.; 31° 45'- 32° E.), XXXIX—III S. E. (Adendan: 22° 24'- 22° 12' N.; 31° 30'- 31° 45' E.). [Topography restricted to immediate valley of the Nile.]

EGYPT. Geological Map of Egypt. 1:1,000,000 (15.78 miles to an inch). 20 colors. Survey Dept. of Egypt. Sheet 1: West Delta and Libyan Desert (32° - 28° N.; 25° - 31° E.). Sheet 2: East Delta and North Arabian Desert (32° - 28° N.; 31° - 35° E.). Sheet 3: Western Oases. (28° - 24° N.; 26° - 31° E.). Sheet 4: Arabian Desert (28° - 24° N.; 31° - 36° E.). Sheet 5: Libyan Desert (24° - 20° N.; 29° - 31° E.). Sheet 6: Nubian Desert (24° - 20° N.; 31° - 37° E.).

EGYPT. Geological Map of Egypt. 1:2,000,000 (31.56 miles to an inch). 20 colors. Survey Dept. of Egypt. [A valuable reduction of the detailed sheets of the Geological Maps of Egypt, 1:1,000,000, affording a general survey of the geology of the region between the Mediterranean and 22° N. and between the Red Sea and a line connecting the Gulf of Salum (25° E.) with Wadi Halfa, and of the southern part of the Sinai Peninsula. The same somewhat unsystematic classification of geological terranes, partly on formational, partly on petrographic grounds, is used as on the detailed sheets.]

MADAGASCAR. Carte du Pays Mahafaly. Par le Lieut. Bührer. 1:500,000 (7.89 miles to an inch). 2 colors. Illustrates paper, same name and author. *La Géogr.*, No. 6, 1910. [Surface forms shown by approximate contours with ten meter intervals. The map supplies new detail for this region.]

MOROCCO. Region de Casablanca. 1:400,000 (6.33 miles to an inch). Illustrates "Casablanca" by Lieut. Sagonds in *Bull. Soc. de Géogr. d'Alger et de l'Afrique du Nord*, 3e Trim., 1910, Algiers. [Based upon the map in 1:100,000 of the Service Géographique de l'Armée, supplemented by several itineraries. A rough idea is given of hill features. All routes centering in the seaport are shown together with the telegraph line, many elevations in meters, ruins and place names. An accompanying sheet denotes the same area as distributed in steppes, forests, and cultivated lands.]

SAHARA. D'Insalah au Niger, par l'Ahaggar. 1:2,000,000 (31.56 miles to an inch). 3 colors. Insets of Idelès and Irafok el Foghania in 1:15,000 and

of Tamanrasset, Ahaggar in 1:75,000. 3 colors. Illustrates "A travers le Sahara. Du Tidikelt au Niger par le Ahaggar," by N. Villatte, in *La Géogr.*, No. 3, 1911. [Gives an important amount of new detail. The itineraries are based upon 48 astronomical positions fixed.]

ASIA

ARABIA. Map of Northeast Arabia showing the routes of Capt. G. E. Leachman, 1910, and other explorers. 1:2,500,000 (39.46 miles to an inch). 3 colors. Illustrates "paper same title and author, in the *Geogr. Journ.*, Vol. 37, No. 3, March, 1911, London."

CENTRAL ASIA. (a) Map showing portions of Chinese Turkestan and Kansu to illustrate the exploration of Dr. M. Aurel Stein, Indian Archaeological Surv., and his assistants R. B. Lal Singh and R. S. Ram Singh, 1906-08. 1:3,000,000 (47.34 miles to an inch). 3 Insets in 1:1,000,000; (b) Map showing portions of Kun-lun range, Chinese Turkestan. 1:1,000,000 (15.78 miles to an inch); (c) Map showing portions of the Western and Central Nan-Shan to illustrate the explorations of Dr. Stein and Ram Singh, 1907. 1:1,000,000. *Geogr. Journ.*, Vol. 37, No. 3, March, 1911, London. [Dr. Stein made the explorations which these maps illustrate under the orders of the Indian Government. The maps were reduced from the map in 94 sheets of the Indian Survey, which are based principally upon the plane table surveys carried on continuously during his travels by Dr. Stein and his topographical assistants. These surveys were also supplemented by astronomical observations for latitude and by triangulation. In the transcription of Turki and Iranian names, he followed the system of phonetic transliteration approved by the International Congress of Orientalists and used in a simplified form for Indian Government publications.]

DUTCH EAST INDIES. (a) Solor-Eilanden. Schetskaart van het Eiland Adonara. 1:200,000 (3.15 miles to an inch). 2 colors; (b) Schetskaart van het Eiland Lomblem. Same scale. Illustrates paper "Beschrijving der Eilanden Adonara en Lomblem, Behoorende tot de Solor-Groep." Door Kapitein J. D. H. Beckering. *Tijdsch. kon. Nederl. Aardrijksk. Genootsch.*, Tweede Serie, Deel XXVIII, No. 2, Leiden, 1911. [Based upon surveys made in 1910. Approximate contours give an idea of the topography, elevations are in meters, and the nomenclature is large.]

GERMAN NEW GUINEA. Keizerin Augusta-Rivier. 1:200,000 = 3.15 miles to an inch. Black. *Tijdsch. kon. Nederl. Aardrijksk. Genootsch.*, Tweede Serie, Deel XXVIII, No. 2, Leiden, 1911. [A short description of the map appears in the text. This most detailed map of the large river yet made is based upon the survey of the steamer *Pionier* in July, 1910. Numerous soundings are given together with the nature of the bordering vegetation.]

FRANCE. Cartes des Gisements de Coquilles Comestibles de la Côte du Finistère: (I) comprise entre Le Havre de Guisseny et Portzpoder, 1:35,000 approx. (0.55 mile to an inch), (48° 41'-48° 30' N.; 4° 55'-4° 25' W.); (II) comprise entre Portzpoder, et la Pte. du Petit Minon, 1:30,000 approx. (0.47 miles to an inch). (48° 30'-48° 18' N.; 4° 50'-4° 37' W.). Dressées par J. Guérin-Ganivet, Naturaliste attaché au Service Scientifique des Pêches au Ministère de la Marine. Accompany *Bull.* No. 203 de l'Institut Océanographique, Monaco, March, 1911, with similar title by same author. [These two maps show the distribution of edible molluscs on the N.W. coast of the Bretagne, compiled for July, 1910, and distinguish by colors nine species.]

FRANCE. Glaciers du Massif des Grandes Rousses. Carte dressée en août 1905 et 1906 au cours des campagnes glaciologiques effectuées par G. Flusin, Ch. Jacob, J. Offner. 1:10,000 (0.15 mile to an inch). Accompanies "Études glaciologiques, géographiques et botaniques dans le Massif des Grandes Rousses," by the above author, published in "Études glaciologiques, Service d'Études des Grandes Forces Hydrauliques (Région des Alpes)," Ministère de l'Agriculture. 1909. [Detailed map of this massif of the French Alps in the manner of the maps published by Alpine Clubs. Rock surfaces in brown hachures, glaciers in blue contours.]

FRANCE. Schéma orographique et hydrographique du Massif des Grandes Rousses, 1:50,000 (0.79 mile to an inch), par Ch. Jacob (Planche 1); Schéma des extensions glaciaires les plus récentes dans le Massif des Grandes Rousses [1:50,000] par Ch. Jacob, (Planche II of "Études glaciaires, etc. par G. Flusin, Ch. Jacob, J. Offner," in "Études glaciologiques, Ministère de l'Agriculture," 1909.) [Drainage in blue, crest-lines and terraces in black, extension of glaciers on Planche I, in red.]

ITALY. Carta Politico-Amministrativa del Regno d'Italia colle linee ferroviarie e di navigazioni. Scala di 1:2,000,000. (31.56 miles to an inch). Istituto Geografico de Agostini, Novara. Lire 1.50. [Shows the boundaries of the provinces and their subdivisions and indicates railroads and steamship lines, canals, cable-lines. A map of a more popular type and of inferior execution, especially with regard to relief, than the majority published by this efficient firm.]

ITALY. Carta Topografica dei Dintorni di Torino. 1:50,000 (0.79 mile to an inch). Istituto Geografico de Agostini, Novara. Prezzo, Lire 1.00. [Excellent map of the environs of Turin, showing houses and built-up areas in red and the slopes of the Monferrato Hills in contours and shading.]

ITALY. Carta Fisico-Politica delle 69 Province Amministrative del Regno d'Italia. 1:3,000,000 (47.34 miles to an inch). Istituto Geografico de Agostini, Novara. Prezzo, L. 0.30. [In spite of its title, this is purely a political map showing, by colors, the extent of the political subdivisions of Italy.]

ITALY. Pianta di Torino. 1:10,000 (1.15 mile to an inch). 5 colors. Istituto Geografico de Agostini, Novara, 1910. L. 1. [A fine map of Turin with accompanying descriptive text and an index which facilitates finding buildings, streets or places.]

ITALY. Dintorni di Roma. 1:250,000 (3.95 miles to an inch). 5 colors. Istituto Geografico de Agostini, Novara. L. 0.50. [An excellent map of Rome and its environment, topographically colored, with communications prominently indicated and a large nomenclature.]

ITALY. Pianta di Roma. 1:12,000 (0.18 mile to an inch). Istituto Geografico de Agostini, Novara. Accompanies "Guida di Roma e Dintorni." [A city map of the highest quality and artistic execution. Delineates built-up areas, using separate symbols for public buildings and monuments of antiquity. It is divided into three strips to facilitate consultation.]

POLAR

WEST ANTARCTICA. Maps to illustrate paper by Dr. J. B. Charcot on the French Antarctic Expedition 1908-1910. (a) After the Expedition of the "Belgica" 1898, and before the expedition of the "Français," 1903-1905; (b) After the Expedition of the "Français," 1903-1905; (c) After the First summer voyage of the "Pourquoi Pas?," 1908-1909; (d) After the second summer voyage of the "Pourquoi Pas?," 1909-1910. 1:5,000,000 (78.9 miles to an inch). 3 colors. Illustrates "The Second French Antarctic Expedition," by Dr. J. B. Charcot, in *Geogr. Journ.*, Vol. 37, No. 3, March 1911, London. [This series well illustrate the large amount of geographical information which the two Charcot Expeditions added to our maps. The maps show the results of his surveys of islands, and the mainland coast line, his determination of many heights and depths and his discovery of new land in 70° S. Lat.]

ATLASES

Atlante Geografico Muto, físico-politico a colori. 25 plates. Istituto Geografico de Agostini, Novara, 1910. L. 2.25. [An excellent series of sheets, blue tints used to show sea depths, shades of brown and green for elevations, and red lines for political boundaries. Hydrography is well outlined and all physical detail is expressed very clearly considering the small scale of the maps. A fine example of the superior map work which this establishment is producing under the supervision of Prof. Dr. G. de Agostini.]